## UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 16782

Total Pages in this Submission

TO THE COMMISSIONER FOR PATENTS	
Mail Stop Patent Application P.O. Box 1450	
P.O. Box 1450 Alexandria, VA 22313-1450	
Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application	n for an
invention entitled: SEMICONDUCTOR APPARATUS OF WHICH RELIABILITY OF INTERCONNECTIONS	
IS IMPROVED AND MANUFACTURING METHOD OF THE SAME	
and invented by:	0 1
Yoshihisa MATSUBARA Masahiro KOMURO	
Manabu IGUCHI Takahiro ONODERA	
Norio OKADA	8 6 6 2
If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:	77
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:	
Which is a:	
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:	
Which is a:	
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:	
Enclosed are:	
Application Elements	
1. 🛭 Filing fee as calculated and transmitted as described below	
- 2. Specification having pages and including the following:	
a. 🗷 Descriptive Title of the Invention	
b.   Cross References to Related Applications (if applicable)	
c.   Statement Regarding Federally-sponsored Research/Development (if applicable)	
d.   Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix	
e. 🗷 Background of the Invention	
f.   Brief Summary of the Invention	
g.   Brief Description of the Drawings (if filed)	
h. 🗷 Detailed Description	
i. 🗵 Claim(s) as Classified Below	
j. 🛮 Abstract of the Disclosure	

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Application Elements (Continued)							
3.	X	Drawing(s) (when necessary as prescribed by 35 USC 113)					
	a.	➤ Formal Number of Sheets					
	b.	☐ Informal Number of Sheets					
4.	X	Oath or Declaration					
	a.	☑ Newly executed (original or copy) ☐ Unexecuted					
	b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)						
	C.	☑ With Power of Attorney ☐ Without Power of Attorney					
	d.	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).					
5.	Incorporation By Reference (usable if Box 4b is checked)  The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.						
6.		D ROM or CD-R in duplicate, large table or Computer Program (Appendix)					
7.		Application Data Sheet (See 37 CFR 1.76)					
8.		ucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)					
	a.   Computer Readable Form (CRF)						
	b.   Specification Sequence Listing on:						
	i. CD-ROM or CD-R (2 copies); or						
		ii. 🔲 Paper					
	c.   Statement(s) Verifying Identical Paper and Computer Readable Copy						
	Accompanying Application Parts						
.9.	X	Assignment Papers (cover sheet & document(s))					
10.		37 CFR 3.73(B) Statement (when there is an assignee)					
11.		English Translation Document (if applicable)					
12.	X	Information Disclosure Statement/PTO-1449   Copies of IDS Citations					
13.		□ Preliminary Amendment					
14.	X	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)					
15.	X	Certified Copy of Priority Document(s) (if foreign priority is claimed)					
16.	. 🛛 Certificate of Mailing						
		First Class  Express Mail (Specify Label No.): EV 185861289US					

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 16782

Total Pages in this Submission 4

### **Accompanying Application Parts (Continued)**

17.	X	Additional Enclosures (please identify below):
		Assignee: NEC Electronics Corporation
		Kawasaki, Japan
		Claim of Priority: Japanese #2002-188927 of June 28, 2002 (herewith)
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
18.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

## **AUTILITY PATENT APPLICATION TRANSMITTAL** (Larg Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 16782

Total Pages in this Submission

[19] Correspondence /Address Customer No.: 23389

#### Fee Calculation and Transmittal **CLAIMS AS FILED** For #Filed #Allowed #Extra Rate Fee **Total Claims** 22 - 20 = 2 \$18.00 \$36.00 Indep. Claims 2 \$0.00 - 3 = 0 \$84.00 Multiple Dependent Claims (check if applicable) \$0.00 **BASIC FEE** \$750.00 OTHER FEE (specify purpose) \$0.00 **TOTAL FILING FEE** \$786.00 A check in the amount of \$786.00 to cover the filing fee is enclosed. The Director is hereby authorized to charge and credit Deposit Account No. 19-1013/SSMP as described below. Charge the amount of as filing fee. ☑ Credit any overpayment. ☑ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17. Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b). Signature Paul J. Esatto, Jr., Reg. No. 30,749 Dated: June 27, 2003 SCULLY, SCOTT, MURPHY & PRESSER PJE:ahs CC:

CERTIFICATE OF MAPPHICANT(s): Yoshihisa M	MAILING BY "EXPRESS I MATSUBARA, et al.	MAIL" (37 CFR 1.10)	Docket No. 16782
Serial No. Unassigned	Filing Date  Herewith	Examiner Unassigned	Group Art Unit Unassigned
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-	the United States Postal Service	plication (Identify type of correspondence) the "Express Mail Post Office to A the United States Patent and Tra	
1450, Alexandria, VA 2	2313-1450 on	June 27, 2003 (Date)	
		Paul J. Esatto (Typed or Printed Name (Signature  EV 185861289) ("Express Mail" Mailing Lab	us

Note: Each paper must have its own certificate of mailing.